

East Gulf of Mexico Drainage.—Moderate to heavy general rain over the upper Tombigbee watershed during the last week of December 1944 produced a steady rise in the Tombigbee River. Flood stage was slightly exceeded at Lock No. 3 on the 4th and 5th after which the stream receded slowly until heavy rains on January 6-7 started a second rise in both the Warrior and Tombigbee Rivers. The Tombigbee River at Lock No. 3 exceeded flood stage by several feet. The only damage reported occurred north of Aberdeen, Ala., where it is estimated that damage to roads and bridges amounted to \$1,000.

The rainfall of January 6-7 also caused the Pearl River to rise slightly above flood stage at Pearl River, La., but no damage was reported.

MISSISSIPPI SYSTEM

Ohio Basin.—A few days of warm weather at the end of December followed by moderately heavy rain over the Ohio Valley on December 31-January 1 produced sharp rises in the main stream and tributaries with light to moderate flooding at a number of points throughout the basin as shown by the table at the end of this report. Overflow was not serious. High stages in the Green and Barren Rivers were aggravated and prolonged by additional rain on January 7-8. Some loss, consisting chiefly of matured crops of corn, were reported in the upper Green and Barren Rivers. There were also some losses of crops and livestock and damage to highways, bridges, etc., in the Cumberland River Basin. Losses were estimated at \$14,500 in the Green and Barren basins and \$40,950 in the Cumberland Basin.

Red Basin.—The Ouachita River at Camden, Ark., was above flood stage from December 29 to January 10, as a result of heavy rains in the area during the last week of December.

Light overflow of the Sulphur River at Hagansport and Naples, Tex., and the Cypress River at Jefferson, Tex., occurred at the same time.

Lower Mississippi Basin.—Moderate to heavy rains in western Tennessee from December 27 through 31, amounting to about 9 inches, caused the Wolf River to rise steadily to a crest of 11 feet on January 2 at Rossville, Tenn. Loss resulting from the overflow amounted to \$1,800.

During the same period, rainfall over the upper Yazoo Basin averaged about 8 inches with a few stations reporting totals of more than 10 inches. Flood stages were passed on the Coldwater River at Sarah, Miss., and the Tallahatchie River at Swan Lake, Miss. Damage resulting from this overflow was estimated at \$10,000 and was confined mostly to highways and bridges with some loss due to suspension of business.

West Gulf of Mexico Drainage.—Heavy rains on December 30-31 and again on January 17-18 caused sharp rises in streams already high for the season in eastern Texas and western Louisiana and flood stages were exceeded at scattered stations along the Calcasieu, Sabine, Trinity, and Guadalupe Rivers. Overflow was not serious and little damage was reported. Losses to livestock and other movable property in the vicinity of Liberty, Tex., were estimated at \$5,000.

Pacific Slope Drainage.—Moderate rain augmented by water from melting snow produced above average stream flow in Oregon during January. The Santiam River just reached flood stage at Jefferson, Oreg., on the night of January 7-8. Otherwise, no flooding occurred.

FLOOD STAGE REPORT FOR JANUARY 1945

[All dates in January unless otherwise specified]

River and station	Flood stage	Above flood stages— dates		Crest ¹	
		From—	To—	Stage	Date
ATLANTIC SLOPE DRAINAGE					
	<i>Feet</i>			<i>Feet</i>	
Pemigewasset: Plymouth, N. H.	11	2	3	13.2	
Schuylkill: Philadelphia, Pa.	11	1	1	11.1	
James: Columbia, Va.	10	2	4	12.8	
Roanoke:					
Weldon, N. C.	31	3	4	32.0	
Williamston, N. C.	10	7	20	10.8	12-14
EAST GULF OF MEXICO DRAINAGE					
Tombigbee: Lock No. 3, Ala.	33	{ 4 7	5 15	33.3 40.6	4 11
Pearl: Pearl River, La.	12	{ 16 11	16 15	33.0 12.9	16 13
MISSISSIPPI SYSTEM					
Ohio Basin					
West Fork:					
Weston, W. Va.	15	1	2	17.0	2
Clarksburg, W. Va.	5	1	1	6.2	1
Monongahela:					
Lock No. 7, Greensboro, Pa.	30	1	1	30.2	1
Lock No. 6.	19.5	2	2	20.5	2
Lock No. 2.	20.5	1	3	25.4	2
Little Kanawha:					
Glenville, W. Va.	23	1	2	25.7	1
Creston, W. Va.	20	1	2	22.4	1
Elk: Clay, W. Va.	18			18.6	1
Barren: Bowling Green, Ky.	28	1	5	39.5	3
Green:					
Munfordville, Ky.	28	1	5	39.5	3
Lock No. 6, Brownsville, Ky.	28	1	6	35.2	4
Lock No. 4, Woodbury, Ky.	33	{ Dec. 31 16	11 16	44.9 33.0	5 16
Lock No. 2, Rumsey, Ky.	34	4	21	39.2	11-12
Cumberland:					
Celina, Tenn.	28	Dec. 31	6	38.8	4
Nashville, Tenn.	40	1	7	43.1	2
Clarksville, Tenn.	46	1	10	50.0	3
Lock F, Eddyville, Ky.	50	3	13	56.5	10
Duck: Columbia, Tenn.	32	1	2	33.2	1
Ohio:					
Dam No. 47, Newburgh, Ind.	38	4	9	40.1	7
Evansville, Ind.	37	7	8	37.5	7
Shawneetown, Ill.	33	7	10	33.9	9
Dam No. 50, Fords Ferry, Ky.	34	6	12	36.1	9
Dam No. 52, Brookport, Ill.	37	6	5	37.1	5
Red Basin					
Ouachita: Camden, Ark.	26	Dec. 29	10	34.4	3
Sulphur:					
Hagansport, Tex.	38	{ Dec. 27 19	1 19	39.7 38.4	Dec. 28 19
Naples, Tex.	22	{ Dec. 30 24	8 28	26.8 23.0	2 27
Cypress: Jefferson, Tex.	18	Dec. 31	7	21.0	3
Lower Mississippi Basin					
Wolf: Rossville, Tenn.	10	Dec. 31	3	11.05	2
Coldwater: Sarah, Miss.	18	1	1	18.8	1
Tallahatchie: Swan Lake, Miss.	26	1	30	30.8	6
WEST GULF OF MEXICO DRAINAGE					
Calcasieu: Kinder, La.	16	Dec. 29	5	{ 16.4 16.3	Dec. 29 3
Sabine:					
Gladewater, Tex.	26	1	12	31.4	7
Logansport, La.	25	{ 1 18	14 29	29.3 30.3	7 23
Bon Wier, Tex.	17	1	(²)	{ 20.5 20.0	10-11 20
East Fork: Rockwall (nr.), Tex.	10	{ Dec. 28 20	1 23	12.7 11.8	Dec. 31 21
Trinity:					
Liberty, Tex.	24	{ Dec. 31 20	14 28	26.7 26.6	4-5 23
Trinidad, Tex.	28	Dec. 30	2	30.1	2
Guadalupe:					
Gonzales, Tex.	20	19	20	26.3	20
Victoria, Tex.	21	21	23	23.7	23
PACIFIC SLOPE DRAINAGE					
Columbia Basin					
Santiam: Jefferson, Oreg.	13	7	8	13.1	7-8

¹ Provisional.² Ice gorge below gage.³ Continued into February.